

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/007153

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C21C5/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 477 195 B2 (BERGER HARALD ET AL) 5 November 2002 (2002-11-05) column 3, line 42 - column 3, line 51; claims 1,2; figure 1	1,2,4,5, 7,10,13, 15,17
X	US 3 634 592 A (PANTKE HEINZ-DIETER ET AL) 11 January 1972 (1972-01-11) abstract; figure 1	10, 13-18,21
X	FR 2 681 937 A (IRSID) 2 April 1993 (1993-04-02) abstract; figures 1,2	10,13
A	DE 196 08 530 A (EISENBAU ESSEN GMBH) 14 August 1997 (1997-08-14) cited in the application the whole document	1-21
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

15 September 2004

Date of mailing of the international search report

29/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	GB 2 115 011 A (BRITISH STEEL CORP) 1 September 1983 (1983-09-01) abstract; figure 1	10,13,14
A	US 3 385 494 A (THEMELIS NICKOLAS J ET AL) 28 May 1968 (1968-05-28) the whole document	1-21
A	US 5 611 838 A (FRITZ ERNST ET AL) 18 March 1997 (1997-03-18) the whole document	1-21
A	GB 1 193 527 A (KUTZNETZOV) 3 June 1970 (1970-06-03) the whole document	1-21

no abstract
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member
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